

Am. Baker

1632

#10
O.P.
Linda

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/040,518

DATE: 02/23/2000
TIME: 13:43:23

Input Set: I040518.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

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1 <110> APPLICANT: Karatzas, Costas N.
2 <120> TITLE OF INVENTION: PRODUCTION OF BIOFILAMENTS IN TRANSGENIC
3 ANIMALS
4 <130> FILE REFERENCE: 06632/011001
5 <140> CURRENT APPLICATION NUMBER: US/09/040,518
6 <141> CURRENT FILING DATE: 1998-03-17
7 <160> NUMBER OF SEQ ID NOS: 32
8 <170> SOFTWARE: FastSEQ for Windows Version 4.0
9 <210> SEQ ID NO 1
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11 <212> TYPE: PRT
12 <213> ORGANISM: Bombyx mori
13 <400> SEQUENCE: 1
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15 1 5
16 <210> SEQ ID NO 2
17 <211> LENGTH: 34
18 <212> TYPE: PRT
19 <213> ORGANISM: Nephila clavipes
20 <400> SEQUENCE: 2
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22 1 5 10 15
23 Gly Gly Leu Gly Gly Gln Gly Ala Gly Ala Ala Ala Ala Ala Ala
24 20 25 30
25 Gly Gly
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27 <211> LENGTH: 47
28 <212> TYPE: PRT
29 <213> ORGANISM: Nephila clavipes
30 <400> SEQUENCE: 3
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32 1 5 10 15
33 Pro Gly Gln Gln Cys Pro Gly Gly Tyr Gly Pro Gly Gln Gln Gly Pro
34 20 25 30
35 Ser Gly Pro Gly Ser Ala Ala Ala Ala Ala Ala Ala Ala Ala
36 35 40 45
37 <210> SEQ ID NO 4
38 <211> LENGTH: 8
39 <212> TYPE: PRT
40 <213> ORGANISM: Nephila clavipes
41 <400> SEQUENCE: 4
42 Gly Gly Ala Gly Gln Gly Gly Tyr
43 1 5
44 <210> SEQ ID NO 5

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45 <211> LENGTH: 4
46 <212> TYPE: PRT
47 <213> ORGANISM: Artificial Sequence
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49 <223> OTHER INFORMATION: Designed peptide to act as a recognition site for
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51 <400> SEQUENCE: 5
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53 1
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55 <211> LENGTH: 4
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: Designed to act as a recognition site for an
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62 Ile Glu Gly Arg
63 1
64 <210> SEQ ID NO 7
65 <211> LENGTH: 8
66 <212> TYPE: PRT
67 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Designed peptide to act as a recognition site for
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71 <400> SEQUENCE: 7
72 Tyr Ile His Pro Phe His Leu Leu
73 1 5
74 <210> SEQ ID NO 8
75 <211> LENGTH: 4
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Designed peptide to act as a recognition site for
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82 Arg Gly Pro Arg
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84 <210> SEQ ID NO 9
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90 1 5
91 <210> SEQ ID NO 10
92 <211> LENGTH: 4
93 <212> TYPE: PRT
94 <213> ORGANISM: Nephila clavipes

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104 1 5
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107 <212> TYPE: PRT
108 <213> ORGANISM: Nephila clavipes
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142 <212> TYPE: PRT
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160 1 5 10 15
161 Ala
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164 <212> TYPE: PRT
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169 <210> SEQ ID NO 21
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175 1 5
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177 <211> LENGTH: 10
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192 <212> TYPE: PRT
193 <213> ORGANISM: Nephila clavipes
194 <400> SEQUENCE: 24

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197 Pro Gly Gln Gln
198 20
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200 <211> LENGTH: 25
201 <212> TYPE: PRT
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203 <400> SEQUENCE: 25
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206 Pro Gly Gln Gln Gly Pro Gly Gln Gln
207 20 25
208 <210> SEQ ID NO 26
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210 <212> TYPE: PRT
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242 <213> ORGANISM: Nephila clavipes
243 <400> SEQUENCE: 29
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VERIFICATION SUMMARY
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Line ? Error/Warning

Original Text